

---

---

## APPENDIX B

### CWHR Modeling Run Results for High Severity Wildfire Scenario

---

*Preliminary Information – Subject to Revision – For Collaborative Process Purposes Only*

# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

## Weighted Habitat Value Comparison Report

### FIRST CONDITION SELECTION CRITERIA

Locations:

County: BUTTE

Habitats/Seral Stages:

Type/Stage 1: BOP3P  
 Type/Stage 2: BOP3M  
 Type/Stage 3: BOP3D  
 Type/Stage 4: VRI2M  
 Type/Stage 5: VRI2D  
 Type/Stage 6: MHW3D  
 Type/Stage 7: MCH3M  
 Type/Stage 8: AGS2D  
 Type/Stage 9: FEW2D  
 Type/Stage 10: URB1  
 Type/Stage 11: BAR1

Excluded Elements:

KELP

Element Levels (E,S,P):

REPRO: E

COVER: E

FEEDING: E

Habitat Suitability Levels (H,M,L):

REPRO: L

COVER: L

FEEDING: L

Weights:

BLUE OAK-FOOTHILL PINE3P	19
BLUE OAK-FOOTHILL PINE3M	24
BLUE OAK-FOOTHILL PINE3D	46
VALLEY FOOTHILL RIPARIAN2M	1
VALLEY FOOTHILL RIPARIAN2D	1
MONTANE HARDWOOD3D	1
MIXED CHAPARRAL3M	1
ANNUAL GRASS2D	1
FRESH EMERGENT WETLAND2D	1
URBANNo	7
BARRENNNo	1

### SECOND CONDITION SELECTION CRITERIA

Locations:

County: BUTTE

Habitats/Seral Stages:

Type/Stage 1: BAR1  
 Type/Stage 2: URB1  
 Type/Stage 3: FEW1M  
 Type/Stage 4: AGS1M  
 Type/Stage 5: MCH1  
 Type/Stage 6: BOP1  
 Type/Stage 7: VRI1

Excluded Elements:

BRUSH PILE  
 BUILDINGS  
 CAMPGROUND  
 FENCES  
 KELP  
 LAYER, HERBACEOUS  
 LAYER, SHRUB  
 LAYER, TREE  
 LOG, LARGE Hollow  
 LOG, LARGE Rotten  
 LOG, MEDIUM Hollow  
 LOG, MEDIUM Rotten  
 LOG, MEDIUM Sound  
 SHRUB/GRASS  
 SLASH, LARGE Hollow  
 SLASH, LARGE Rotten  
 SLASH, LARGE Sound  
 SLASH, SMALL  
 SNAG, LARGE Rotten  
 SNAG, MEDIUM Rotten  
 SNAG, MEDIUM Sound  
 SNAG, SMALL Rotten  
 SNAG, SMALL Sound  
 STUMP Rotten  
 TREE/SHRUB

Element Levels (E,S,P):

REPRO: E

COVER: E

FEEDING: E

Habitat Suitability Levels (H,M,L):

REPRO: L

COVER: L

FEEDING: L

Weights:

BARRENNNo	1
URBANNo	0
FRESH EMERGENT WETLAND1M	1
ANNUAL GRASS1M	1
MIXED CHAPARRAL1	0
BLUE OAK-FOOTHILL PINE1	89
VALLEY FOOTHILL RIPARIAN1	89

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
Condition 1 Habitat Suitability Values				
Condition 2 Habitat Suitability Values				
B368	BEWICK'S WREN			-96.70
*9	*10 *10 *10 *9 *3 *10 *10	96.70		
*10	0 0 0	0.00		
B360	BUSHTIT			-93.50
*8	*10 *10 *5 *5 *4 *7 *10	93.50		
*10	0 0 0	0.00		
B348	WESTERN SCRUB-JAY			-93.20
*8	*10 *10 0 *7 *4 *7 *10	93.20		
*10	*7 0 0	0.00		
B264	WESTERN SCREECH OWL			-90.80
*10	*10 *9 0 0 *8 0 0 *10	90.80		
*10	0 0 0 0	0.00		
B425	ORANGE-CROWNED WARBLER			-89.20
*9	*10 *10 *10 *10 0 *7 0	89.20		
0	0	0.00		
B418	WARBLING VIREO			-84.60
*10	*10 *8 *8 *5 *5 *7	84.60		
*7		0.00		
B369	HOUSE WREN			-83.40
*10	*10 *7 *10 *10 *7 *3 *10	83.40		
*10	0 0 0	0.00		
B302	NUTTALL'S WOODPECKER			-81.70
*10	*10 *8 0 0 0 0 *5	81.70		
*5	0 0 0	0.00		
B475	BLACK-HEADED GROSBEAK			-81.70
*10	*10 *7 0 0 *10 *3 *10	81.70		
*10	0 0 0	0.00		
B411	EUROPEAN STARLING			-79.00
*10	*9 *7 0 0 *4 0 0 *10	79.00		
*10	0 0 0 0	0.00		
B436	BLACK-THROATED GRAY WARBLER			-78.80
*10	*10 *8 0 0 *8 0 0	78.80		
0	0	0.00		
B116	COOPER'S HAWK			-77.70
0	*10 *10 0 0 *7 0 0 *10	77.70		
		0.00		
B255	MOURNING DOVE			-77.10
*8	*10 *7 *4 *3 *7 *4 *10	77.60		
*10	*5 *4 0 0	0.50		
B358	OAK TITMOUSE			-76.90
*8	*8 *8 *4 *4 *8 *7 *10	76.90		
*10	0 0 0	0.00		
M165	MOUNTAIN LION			-76.50
*7	*9 *9 *9 *7 *5 *10 *3	76.80		
*3	0 0 0	0.30		
M077	WESTERN GRAY SQUIRREL			-75.00
*7	*7 *10 0 0 *7 0	75.00		
		0.00		
B417	HUTTON'S VIREO			-74.30
*10	*9 *6 *6 *6 *5 *3 *7	74.30		
*7	0	0.00		

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
Condition 1 Habitat Suitability Values				
Condition 2 Habitat Suitability Values				
B311	WESTERN WOOD-PEWEE			-72.90
*8	*8 *8 0 0 *8 *3 *6	72.90		
*6	0 0 0	0.00		
M149	GRAY FOX			-70.10
*10	*9 *5 *7 *5 *5 *9 *4 *5 *3	70.10		
		0.00		
B377	BLUE-GRAY GNATCATCHER			-68.90
*10	*8 *7 *3 *3 *7	68.90		
*3	0	0.00		
B380	WESTERN BLUEBIRD			-67.90
*8	*7 *7 *3 0 *10	67.90		
*10	0 0 0 0	0.00		
M026	FRINGED MYOTIS			-67.60
*8	*8 *8 0 0 0 0 0 0 *7	68.30		
*7	0 0 0 0 0	0.70		
B272	LONG-EARED OWL			-66.90
*7	*9 *7 *3 *4 *4 *7 0	66.90		
0	0 0 0 0	0.00		
B536	PURPLE FINCH			-66.00
*7	*7 *7 0 *3 0 *10	66.00		
*10	0 0	0.00		
B489	CHIPPING SPARROW			-65.50
*10	*7 *7 0 *3 0	65.50		
0	0 0 0 0	0.00		
M181	MULE DEER			-65.30
*9	*9 *5 *7 *4 *5 *9 *4 0 *4	65.30		
		0.00		
B320	PACIFIC-SLOPE FLYCATCHER			-64.60
*5	*7 *7 0 0 *10 *3 *10	64.60		
*10		0.00		
M151	BLACK BEAR			-64.20
*5	*8 *8 *5 *5 *5 *4 0	64.20		
0	0 0 0 0	0.00		
M023	YUMA MYOTIS			-63.30
*7	*7 *7 0 0 0 0 0 0 *7	63.30		
*7	0 0 0 0 0 0	0.00		
B123	RED-TAILED HAWK			-62.80
*8	*7 *5 *4 *3 *5 0 *5 0 *10 *7	64.00		
*7	*10 0 *5 0 0 0	1.20		
B111	WHITE-TAILED KITE			-62.40
*8	*7 *5 0 0 *8 0 0 *10 0	62.40		
0	*10 0 0 0 0 0 0	0.00		
B362	WHITE-BREASTED NUTHATCH			-61.00
*6	*6 *6 0 0 *6 *10	61.00		
*10	0	0.00		
B287	ANNA'S HUMMINGBIRD			-59.10
*10	*7 *3 *5 *3 *3 *10 *10	59.10		
*10	0 0 0	0.00		
B528	BROWN-HEADED COWBIRD			-58.30
*10	*7 *3 *4 *4 *0 *7 *5 *6 *10	59.60		
*10	*8 *5 *7 0 *0	1.30		

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Conditon 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B538	HOUSE FINCH	*10 *7 *3 *7 *3 0 *3 *10	*10 0 0 0 0	58.30	0.00	-58.30
M162	STRIPED SKUNK	*10 *7 *3 *9 *5 *3 *9 *8 *8 *5		57.90	0.00	-57.90
M033	WESTERN RED BAT	*7 *7 *5 0 0 *5 0 0 0 *7	*7 0 0 0 0 0	57.80	0.00	-57.80
B267	NORTHERN PYGMY OWL	*6 *6 *5 0 0 *5 0 *10	*10 0 0 0	57.70	0.00	-57.70
B307	NORTHERN FLICKER	*6 *6 *5 0 0 *5 0 0 *10	*10 0 0 0 0	57.70	0.00	-57.70
B296	ACORN WOODPECKER	*7 *6 *5 0 0 *5 *10	*10 0 0	57.10	0.00	-57.10
B391	WRENTIT	*7 *3 *7 *3 *3 0 *10 *7		57.00	0.00	-57.00
M127	DUSKY-FOOTED WOODRAT	*7 *10 *3 *7 *3 *7 *10		54.40	0.00	-54.40
B344	BARN SWALLOW	*10 *7 *3 *7 *3 *3 *7 *10 *10 0		54.00	0.00	-54.00
B543	LESSER GOLDFINCH	*8 *7 *3 *4 *3 *4 *3 0 *10	*10 0 0 0 0	53.80	0.00	-53.80
M047	DESERT COTTONTAIL	*7 *7 *3 *7 *5 *9 *7 *10		53.30	0.00	-53.30
M034	HOARY BAT	*7 *7 *5 0 0 *5 0 0 0 0	0 0 0 0 0 0	53.20	0.00	-53.20
M080	NORTHERN FLYING SQUIRREL	*3 *7 *7 *3 *3		53.10	0.00	-53.10
M030	SILVER-HAIRED BAT	*7 *7 *5 0 0 0 0 0 0 0		52.70	0.00	-52.70
M045	BRUSH RABBIT	*7 *5 *3 *10 *9 *9 *8 *10		51.00	0.00	-51.00
B340	VIOLET-GREEN SWALLOW	*5 *5 *5 0 0 *5 0 0 0 *10 0	0 *10 0 0 0 0 0	50.20	0.00	-50.20
B326	ASH-THROATED FLYCATCHER	*9 *7 *3 0 0 *7 *7	0 0 0	48.90	0.00	-48.90

# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

## WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Conditon 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
M176	WILD PIG	*7 *10 *8 *7 *7 *8 *10 0	0 0 *3 0	74.70	29.40	-45.30
B495	LARK SPARROW	*7 *7 *3 *3 *3 *10		45.10	0.00	-45.10
B339	TREE SWALLOW	*4 *4 *4 0 0 *4 0 0 0 *10	*10 0 0 0 0 0	44.80	0.00	-44.80
B357	CHESTNUT-BACKED CHICKADEE	*4 *4 *4 0 0 *4 0 *10	*10 0 0	44.80	0.00	-44.80
M072	CALIFORNIA GROUND SQUIRREL	*7 *3 *3 *3 *3 *3 *3 *10 *10		44.80	0.00	-44.80
B393	NORTHERN MOCKINGBIRD	*5 *5 *3 *3 *10 0 *10	*10 0 0 0 0	44.10	0.00	-44.10
B333	WESTERN KINGBIRD	*7 *3 *3 *3 *3 *3 0 0 0 *10	*10 0 0 0 0 0	43.50	0.00	-43.50
B545	AMERICAN GOLDFINCH	*5 *3 *3 *7 *5 0 0 *10	*10 0 0 0 0	41.40	0.00	-41.40
B415	CASSIN'S VIREO	*6 *5 *3 *7 *3 *4 0	0	40.70	0.00	-40.70
B353	AMERICAN CROW	*5 *3 *3 0 0 *3 0 *10	*10 0 0 0	39.50	0.00	-39.50
B058	GREEN HERON	*3 *3 *3 *10 *10 *0 *9 *10	*10 0	39.30	0.00	-39.30
B521	WESTERN MEADOWLARK	*5 *3 *3 *3 *10 *8		38.80	0.00	-38.80
B410	LOGGERHEAD SHRIKE	*10 *8 *3 *3 0 0	0 0 0 0 0 0	37.80	0.00	-37.80
B346	STELLER'S JAY	0 *4 *4 0 0 *6 *10	*10 0 0	37.00	0.00	-37.00
B303	DOWNY WOODPECKER	*3 *3 *3 0 0 0 0 0 *10	*10 0 0 0 0	36.40	0.00	-36.40
B052	GREAT EGRET	*3 *3 *3 0 0 *7	*7 0 0 0	34.20	0.00	-34.20
B304	HAIRY WOODPECKER	*4 *4 *3 0 0 *7 0	0 0	34.00	0.00	-34.00

## CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B260	GREATER ROADRUNNER			
*8	*7 *5 *3	33.80		-33.80
*3	0 0	0.00		
B389	AMERICAN ROBIN			
*9	*3 *0 *3 *3 *7 0 0 *10	32.70		-32.70
*10	0 0 0 0	0.00		
B430	YELLOW WARBLER			
*6	*6 0 *10 *8 0 0 *7	32.40		-32.40
*7		0.00		
M113	WESTERN HARVEST MOUSE			
*3	*3 *3 *7 *3 *3 *10 *7	32.40		-32.40
		0.00		
B286	BLACK-CHINNED HUMMINGBIRD			
*8	*4 *4 *3 0 *10	32.20		-32.20
*10	0 0 0	0.00		
R039	WESTERN WHIPTAIL			
*3	*3 *3 *3 *3 *3 *7 *3	31.30		-31.30
		0.00		
M057	ALLEN'S CHIPMUNK			
*3	*3 *3 *3 *3 *3 *7	31.00		-31.00
0	0 0	0.00		
B057	CATTLE EGRET			
*3	*3 *3 *3 *3 0 0 0	30.00		-30.00
0	0 0 0	0.00		
M021	LITTLE BROWN MYOTIS			
*3	*3 *3 0 0 0 0 0 0 0 0 *0	29.40		-29.40
*0	0 0 0 0 0 0 0	0.00		
B544	LAWRENCE'S GOLDFINCH			
*8	*4 *4 *3 *4 *3 0 *4	28.80		-28.80
*4	0 0 0 0	0.00		
B532	BULLOCK'S ORIOLE			
*5	*4 0 0 0 *4 *10	26.60		-26.60
*10	0 0	0.00		
B051	GREAT BLUE HERON			
*4	*4 0 0 0 *10	25.10		-25.10
*10	0 0 0	0.00		
B408	PHAINOPEPLA			
*9	*3 *3 0 *10	24.10		-24.10
*10	0 0	0.00		
M051	BLACK-TAILED JACKRABBIT			
*7	*3 *3 *3 *5 0 *3	23.80		-23.80
		0.00		
M012	TROWBRIDGE'S SHREW			
*3	*3 *3	23.40		-23.40
		0.00		
M119	BRUSH MOUSE			
*7	*3 *7 *3 *10 *3	22.70		-22.70
		0.00		
B121	SWAINSON'S HAWK			
*4	*3 0 *8 *8 0	22.00		-21.20
0	*8 *8 0 0 0	0.80		

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name		Difference
Condition 1 Habitat Suitability Values		Condition 1 Sum of Weighted Values	
Condition 2 Habitat Suitability Values		Condition 2 Sum of Weighted Values	
B059	BLACK-CROWNED NIGHT HERON		-18.00
*3	*5 *5 *3 *3 *0 *0 *10 *5	48.40	
*5	*10 *3	30.40	
R049	SHARP-TAILED SNAKE		-17.30
*10	*10 *7 *7 *3 *10	76.10	
*3	*3 *3	58.80	
B505	SONG SPARROW		-13.20
*3	*7 *3 *3 0 *10 *7	13.20	
		0.00	
M081	BOTTA'S POCKET GOPHER		-12.20
*3	*10 *7 *3	12.20	
		0.00	
M145	COMMON PORCUPINE		-11.20
*5	*5 *5 *4 *4 *3 *3 0	48.60	
0	*3 0 *4	37.40	
M160	AMERICAN BADGER		-8.30
*3	*3 *10 *7	8.30	
		0.00	
B370	WINTER WREN		-8.00
*3	*7 *10	8.00	
*10		0.00	
B119	RED-SHOULDERED HAWK		-7.80
0	0 0 *4 *4 0 0 0 *10	7.80	
*10	0 0 0 0	0.00	
B251	BAND-TAILED PIGEON		-7.50
0	0 0 *5 0 *10	7.50	
		0.00	
B524	BREWER'S BLACKBIRD		-7.50
*4	*5 *5 *9 *7 *5 0 *5 *10	54.70	
*10	0 0 0 *5	47.20	
B115	SHARP-SHINNED HAWK		-7.10
0	0 0 0 0 *10 0 0 *9 0	7.10	
0	*9 0 0 0 0	0.00	
B127	AMERICAN KESTREL		-7.00
0	0 0 0 0 0 0 0 *5 0 *10 0	7.50	
0	*10 0 *5 0 0 0	0.50	
B148	COMMON MOORHEN		-7.00
*10	*10	8.00	
*10	*10	1.00	
B149	AMERICAN COOT		-7.00
*10	*10	8.00	
*10	*10 0	1.00	
B250	ROCK DOVE		-7.00
*10		7.00	
		0.00	
B265	GREAT HORNED OWL		-7.00
0	0 0 0 0 0 0 0 0 *10 *10	8.00	
*10	*10 0 0 0 0 0	1.00	
B289	CALLIOPE HUMMINGBIRD		-7.00
0	0 *10	7.00	
*10	0 0 0	0.00	



Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values										Condition 2 Sum of Weighted Values	Difference
Condition 2 Habitat Suitability Values												Condition 2 Sum of Weighted Values	
B299	RED-BREASTED SAPSUCKER												-7.00
0	0	0	0	0	0	0						7.00	
*10	0	0										0.00	
B300	WILLIAMSON'S SAPSUCKER												-7.00
*10												7.00	
*10												0.00	
B317	HAMMOND'S FLYCATCHER												-7.00
0	0	0	*10									7.00	
												0.00	
B338	PURPLE MARTIN												-7.00
0	0	0	*10									7.00	
*10	0	0	0	0	0							0.00	
B345	GRAY JAY												-7.00
*10												7.00	
*10												0.00	
B352	YELLOW-BILLED MAGPIE												-7.00
0	0	0	0	0	0	*10						7.00	
*10	0	0	0									0.00	
B356	MOUNTAIN CHICKADEE												-7.00
0	0	0	0	0	0	0	*10					7.00	
*10												0.00	
B364	BROWN CREEPER												-7.00
0	0	0	0	0	0	0	*10					7.00	
												0.00	
B407	CEDAR WAXWING												-7.00
0	0	0	0	0	0	0	0	*10				7.00	
*10	0	0										0.00	
B530	HOODED ORIOLE												-7.00
*10												7.00	
*10												0.00	
B547	HOUSE SPARROW												-7.00
0	0	0	0	*10								7.00	
												0.00	
M134	CALIFORNIA VOLE												-6.90
*3	*3	*10	*7	*7								6.90	
												0.00	
B398	CALIFORNIA THRASHER												-6.00
*4	0	*10	*7									6.00	
												0.00	
B133	RING-NECKED PHEASANT												-5.60
0	0	0	0	*10	*7							5.60	
												0.00	
B076	WOOD DUCK												-5.30
0	0	0	0	0	0	0	*8					5.30	
*8	0	0										0.00	
M085	MOUNTAIN POCKET GOPHER												-5.30
*7	*7											5.30	
												0.00	
B542	PINE SISKIN												-5.10
0	0	0	0	*3	0	*7						5.10	
*7	0	0	0	0								0.00	

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
M153	RACCOON	*4 *5 *3 *5 *4 *3 *7 0 0 *7	*7 0 0 0 0 *4	42.40	37.40	-5.00
B114	NORTHERN HARRIER	0 0 0 0 *10 *10 *4 0		4.90	0.00	-4.90
M038	PALLID BAT	*7 *7 *7 0 0 0 *7 0 *5 *0	*0 *5 0 *7 *7 0	63.10	58.70	-4.40
M039	BRAZILIAN FREE-TAILED BAT	*7 *7 *7 0 0 0 0 0 0 *5 *0	*0 *5 0 0 0 *7 0	62.40	58.70	-3.70
B281	VAUX'S SWIFT	*3 *3 *3 0 0 0 0 0 *5	*5 0 0 *3 0	32.80	29.40	-3.40
A007	CALIFORNIA NEWT	*10 *10 *10 *7 *7 *10 *3 *10	*10 *3 *3 *7	92.70	89.40	-3.30
M139	COMMON MUSKRAT	*10 *10 *10		3.00	0.00	-3.00
R004	WESTERN POND TURTLE	*10 *10 *10 *7 *7 *3 *3 *7 *10 *0	*0 *10 *7 *3 *3 *7	92.70	89.80	-2.90
B274	NORTHERN SAW-WHET OWL	0 0 0 0 0 0 0 *3	*3 0 0 0	2.30	0.00	-2.30
B539	RED CROSSBILL	*3		2.30	0.00	-2.30
B315	WILLOW FLYCATCHER	*9 *10		1.90	0.00	-1.90
B075	CANADA GOOSE	*7 *10 0		1.70	0.00	-1.70
A006	ROUGH-SKINNED NEWT	*5 *7 *7 *7 *7 *5 *3 *3	*3 *3 *3 *3	60.90	59.40	-1.50
B366	ROCK WREN	*7 *7 *7 *7 *7 *10	*10 *7 *7	63.80	62.40	-1.40
B460	MACGILLIVRAY'S WARBLER	0 0 0 *7 *7 0 0 0	0 0 0	1.40	0.00	-1.40
M087	SAN JOAQUIN POCKET MOUSE	*10 *3		1.30	0.00	-1.30
B050	LEAST BITTERN	*10		1.00	0.00	-1.00

**CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM**

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B107	RUDDY DUCK	0 0 *10	0	1.00	0.00	-1.00
B259	YELLOW-BILLED CUCKOO	*5 *5		1.00	0.00	-1.00
B385	SWAINSON'S THRUSH	0 0 0 *3 *7 0 0 0	0	1.00	0.00	-1.00
B386	HERMIT THRUSH	0 0 0 0 0 *10 0 0	0	1.00	0.00	-1.00
M055	YELLOW-PINE CHIPMUNK	*3 *7		1.00	0.00	-1.00
M062	LONG-EARED CHIPMUNK	*10		1.00	0.00	-1.00
M105	CALIFORNIA KANGAROO RAT	*3 *7		1.00	0.00	-1.00
M133	MONTANE VOLE	*7 *3		1.00	0.00	-1.00
B082	BLUE-WINGED TEAL	*9 *9		1.80	1.00	-0.80
B426	NASHVILLE WARBLER	0 0 0 0 0 *5 *3 0	0	0.80	0.00	-0.80
M112	AMERICAN BEAVER	0 *8		0.80	0.00	-0.80
B085	GADWALL	*7 0		0.70	0.00	-0.70
B337	HORNED LARK	*7 0		0.70	0.00	-0.70
B493	BLACK-CHINNED SPARROW	*7		0.70	0.00	-0.70
R042	NORTHERN ALLIGATOR LIZARD	*7 *3		1.00	0.30	-0.70
B049	AMERICAN BITTERN	*10		1.00	0.50	-0.50
B499	SAVANNAH SPARROW	*5		0.50	0.00	-0.50

**CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM**

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
Condition 1 Habitat Suitability Values				
Condition 2 Habitat Suitability Values				
M156	ERMINE			-0.50
*5		0.50		
		0.00		
B077	GREEN-WINGED TEAL			-0.40
*10	*10 0	2.00		
0	*8 *8	1.60		
B089	CANVASBACK			-0.40
*9		0.90		
*5		0.50		
B117	NORTHERN GOSHAWK			-0.40
0	0 0 0 0 0 *4 0	0.40		
0		0.00		
B372	MARSH WREN			-0.40
0	0 *10	1.00		
*6	0	0.60		
B471	WESTERN TANAGER			-0.40
0	0 0 0 0 0 *4 0 0	0.40		
0	0	0.00		
B554	PLUMBEOUS VIREO			-0.40
0	0 0 0 0 0 *4 0	0.40		
0		0.00		
A044	MOUNTAIN YELLOW-LEGGED FROG			-0.30
*3	*7	1.00		
*7		0.70		
B083	CINNAMON TEAL			-0.30
0	0 *3 *10	1.30		
*10	0	1.00		
B309	OLIVE-SIDED FLYCATCHER			-0.30
0	0 0 0 0 *3	0.30		
0		0.00		
M079	DOUGLAS' SQUIRREL			-0.30
*3		0.30		
		0.00		
M136	LONG-TAILED VOLE			-0.30
*3	*10 *7	2.00		
*7	*10 *3	1.70		
R023	SAGEBRUSH LIZARD			-0.30
*3		0.30		
*3		0.00		
B522	YELLOW-HEADED BLACKBIRD			-0.20
0	*10	1.00		
*8	0	0.80		
B006	PIED-BILLED GREBE			-0.10
*10		1.00		
*9		0.90		
A042	CASCADES FROG			0.00
*3		0.30		
*3		0.30		
B009	EARED GREBE			0.00
*10		1.00		
*10		1.00		

**CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM**

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name		Difference
Condition 1 Habitat Suitability Values		Condition 1 Sum of Weighted Values	
Condition 2 Habitat Suitability Values		Condition 2 Sum of Weighted Values	
B010	WESTERN GREBE		0.00
*7		0.70	

*7			0.70	
B042	AMERICAN WHITE PELICAN			0.00
*0			0.00	
*0			0.00	
B044	DOUBLE-CRESTED CORMORANT			0.00
*0			0.00	
*0 0			0.00	
B062	WHITE-FACED IBIS			0.00
*7			0.70	
*7 0			0.70	
B067	TUNDRA SWAN			0.00
0 0			0.00	
0 0			0.00	
B070	GREATER WHITE-FRONTED GOOSE			0.00
0 0			0.00	
0 0			0.00	
B071	SNOW GOOSE			0.00
0 0			0.00	
0 0			0.00	
B072	ROSS' GOOSE			0.00
0 0			0.00	
0 0			0.00	
B080	NORTHERN PINTAIL			0.00
*8 *7 0			1.50	
0 *7 *8			1.50	
B084	NORTHERN SHOVELER			0.00
*0 *9			0.90	
*9 *0			0.90	
B086	EURASIAN WIGEON			0.00
0 0 0			0.00	
0 0 0			0.00	
B087	AMERICAN WIGEON			0.00
*10 0 0			1.00	
0 0 *10			1.00	
B090	REDHEAD			0.00
*7			0.70	
*7			0.70	
B091	RING-NECKED DUCK			0.00
*10			1.00	
*10			1.00	
B094	LESSER SCAUP			0.00
*0 *0			0.00	
*0			0.00	
B101	COMMON GOLDENEYE			0.00
0 0			0.00	
0			0.00	
B103	BUFFLEHEAD			0.00
0 0			0.00	
0			0.00	

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Conditon 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B104	HOODED MERGANSER	0 0 0 0	0 0 0	0.00	0.00	0.00
B105	COMMON MERGANSER	0 0	0 0	0.00	0.00	0.00
B113	BALD EAGLE	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0.00	0.00	0.00
B124	FERRUGINOUS HAWK	0 0 0 0 0 0		0.00	0.00	0.00
B125	ROUGH-LEGGED HAWK	0 0 0 0 0		0.00	0.00	0.00
B128	MERLIN	0 0 0 0 0 0 0 0 0 0 0	0 0 0 0 0 0	0.00	0.00	0.00
B134	BLUE GROUSE	*4	*4	0.40	0.40	0.00
B145	VIRGINIA RAIL	0 0 *10	*10 0	1.00	1.00	0.00
B146	SORA	*10	*10	1.00	1.00	0.00
B150	SANDHILL CRANE	0 *10	*10 0 0	1.00	1.00	0.00
B151	BLACK-BELLIED PLOVER	0	0 0 0	0.00	0.00	0.00
B156	SEMIPALMATED PLOVER	0	0 0 0	0.00	0.00	0.00
B165	GREATER YELLOWLEGS	0 0 0	0 0	0.00	0.00	0.00
B166	LESSER YELLOWLEGS	0 0	0 0	0.00	0.00	0.00
B168	WILLET	0	0 0	0.00	0.00	0.00
B172	WHIMBREL	0 0 0	0 0 0	0.00	0.00	0.00
B173	LONG-BILLED CURLEW	0 0 0	0 0 0 0	0.00	0.00	0.00

## CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B176	MARBLED GODWIT	0 0 0 0	0 0 0 0	0.00	0.00	0.00
B183	WESTERN SANDPIPER	0 0	0 0	0.00	0.00	0.00
B185	LEAST SANDPIPER	0 0	0 0	0.00	0.00	0.00
B191	DUNLIN	0	0	0.00	0.00	0.00
B196	SHORT-BILLED DOWITCHER	0	0	0.00	0.00	0.00
B197	LONG-BILLED DOWITCHER	0	0	0.00	0.00	0.00
B199	COMMON SNIE	*10	*10 0	1.00	1.00	0.00
B213	MEW GULL	0 0	0 0	0.00	0.00	0.00
B214	RING-BILLED GULL	0 0 0	0 0 0	0.00	0.00	0.00
B215	CALIFORNIA GULL	0 *0	*0 0 0 0	0.00	0.00	0.00
B216	HERRING GULL	0	0	0.00	0.00	0.00
B217	THAYER'S GULL	0	0	0.00	0.00	0.00
B221	GLAUCOUS-WINGED GULL	0	0	0.00	0.00	0.00
B235	BLACK TERN	*10	*10	1.00	1.00	0.00
B263	FLAMMULATED OWL	0	0	0.00	0.00	0.00
B270	SPOTTED OWL	0 0 0 0 0	0 0 0 0 0	0.00	0.00	0.00
B279	BLACK SWIFT	*3 *3 *3 0 0 0 0 0 0 *10	*10 0 0 0 *3 0	30.40	30.40	0.00



CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B291	RUFIOUS HUMMINGBIRD	0 0 0 0 0 0 0 0	0 0 0 0	0.00	0.00	0.00
B294	LEWIS' WOODPECKER	0 0 0 0 0 0 0 0	0 0 0 0	0.00	0.00	0.00
B305	WHITE-HEADED WOODPECKER	0		0.00	0.00	0.00
B318	DUSKY FLYCATCHER	0 0 0 0 0 0	0 0	0.00	0.00	0.00
B361	RED-BREASTED NUTHATCH	0 0 0 0 0	0	0.00	0.00	0.00
B375	GOLDEN-CROWNED KINGLET	0 0 0 0 0	0	0.00	0.00	0.00
B376	RUBY-CROWNED KINGLET	0 0 0 0 0 0 0 0	0 0 0 0	0.00	0.00	0.00
B382	TOWNSEND'S SOLITAIRE	0 0 0 0 0	0	0.00	0.00	0.00
B390	VARIED THRUSH	0 0 0 0 0 0 0 0	0 0 0 0	0.00	0.00	0.00
B404	AMERICAN PIPIT	0 0		0.00	0.00	0.00
B435	YELLOW-RUMPED WARBLER	0 0 0 0 0 0 0 0 0 0	0 0 0 0 0	0.00	0.00	0.00
B437	TOWNSEND'S WARBLER	0 0 0 0 0 0 0 0	0	0.00	0.00	0.00
B438	HERMIT WARBLER	0 0 0 0 0 0 0	0	0.00	0.00	0.00
B491	BREWER'S SPARROW	0		0.00	0.00	0.00
B504	FOX SPARROW	0 0 0 0 0 0		0.00	0.00	0.00
B506	LINCOLN'S SPARROW	0 0 0	0 0 0 0 0	0.00	0.00	0.00
B509	GOLDEN-CROWNED SPARROW	0 0 0 0 0 0 0	0 0 0 0 0	0.00	0.00	0.00

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Conditon 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B510	WHITE-CROWNED SPARROW	0 0 0 0 0 0 0		0.00	0.00	0.00
B546	EVENING GROSBEAK	0 0 0 0 0 0 0 0		0.00	0.00	0.00
B548	CLARK'S GREBE	*7		0.70		0.00
		*7		0.70		
B648	BAIRD'S SANDPIPER	0		0.00		0.00
		0		0.00		
B649	PECTORAL SANDPIPER	0		0.00		0.00
		0		0.00		
B773	AMERICAN REDSTART	0 0 0 0 0 0 0 0		0.00		0.00
		0 0 0 0		0.00		
B798	WHITE-THROATED SPARROW	0 0 0 0 0 0 0 0		0.00		0.00
				0.00		
B799	HARRIS'S SPARROW	0 0 0 0 0 0 0		0.00		0.00
		0 0 0 0 0		0.00		
M031	WESTERN PIPISTRELLE	*7 *7 *7 0 0 0 0 0 0 *7		59.40		0.00
		*7 0 0 0 *7 0		59.40		
M036	SPOTTED BAT	*3 *3 *3 0 0 0 0		29.40		0.00
		0 0 *3 0		29.40		
M066	YELLOW-BELLIED MARMOT	*7		0.70		0.00
		*7		0.70		
M070	BELDING'S GROUND SQUIRREL	*7 *3		1.00		0.00
		*3 *7 *3		1.00		
M147	RED FOX	0 0 0		0.00		0.00
		0 0 0		0.00		
M159	WOLVERINE	0		0.00		0.00
		0		0.00		
B074	BRANT			0.00		0.00
		0 0		0.00		
B211	BONAPARTE'S GULL			0.00		0.00
		0		0.00		
B381	MOUNTAIN BLUEBIRD			0.00		0.00
		0 0 0		0.00		

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name		Difference
Condition 1 Habitat Suitability Values		Condition 1 Sum of Weighted Values	
Condition 2 Habitat Suitability Values		Condition 2 Sum of Weighted Values	
B409	NORTHERN SHRIKE		0.00
		0.00	
0 0		0.00	
B494	VESPER SPARROW		0.00
		0.00	
0 0 0		0.00	
B655	RED-NECKED PHALAROPE		0.00
		0.00	
0		0.00	
B656	RED PHALAROPE		0.00
		0.00	
0		0.00	
B053	SNOWY EGRET		0.10
*9 0		0.90	
0 *10		1.00	
B200	WILSON'S PHALAROPE		0.10
0 *8		0.80	
*9 0		0.90	
B163	BLACK-NECKED STILT		0.70
*10		1.00	
*10 *7		1.70	
B164	AMERICAN AVOCET		0.70
0 *10		1.00	
*10 *7		1.70	
B477	LAZULI BUNTING		6.70
*10 *7 *7 *10 *7 *3 *9		68.10	
0 *4 *4		74.80	
M166	BOBCAT		12.50
*10 *7 *5 *10 *7 *5 *9 *4 *4		63.10	
*4 *4 *4 *4 *4		75.60	
A028	WESTERN SPADEFOOT		15.40
*3 *3 *3 *7 *8		16.00	
*10 *10 *3 *3		31.40	
M161	WESTERN SPOTTED SKUNK		19.50
*10 *7 *3 *10 *7 *3 *10 *4 *3		55.70	
*3 *4 *4 *4 *4		75.20	
R059	CALIFORNIA MOUNTAIN KINGSNAKE		21.10
*3 *4 *4 *3 *3 *7 *7 *3		38.00	
*3 *3 *3 *3		59.10	
B373	AMERICAN DIPPER		21.80
*3 *3 *10 *10		8.60	
*10 *10 *3		30.40	
M152	RINGTAIL		22.00
*10 *7 *3 *9 *7 *3 *9 0 *0		52.80	
*0 0 *4 *4 *4		74.80	
B487	RUFIOUS-CROWNED SPARROW		22.40
*7 *3 *3 *7 *10		37.30	
*10 *8 *7 0		59.70	
M120	PINON MOUSE		26.30
*7 *7 *7 *10 *5		3.60	
*5 *3 *3		29.90	

CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP  
and maintained by the  
CALIFORNIA DEPARTMENT OF FISH AND GAME  
Database Version: 8.0

WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Sum of Weighted Values	Difference
		Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	
M128	BUSHY-TAILED WOODRAT			27.00
		*7 *3 *7 *7 *4	2.80	
		*4 *3 *3	29.80	
M037	TOWNSEND'S BIG-EARED BAT			27.10
		0 0 0 0 0 0 0 0 *3 *0	2.30	
		*0 *3 0 0 *3 0	29.40	
M163	NORTHERN RIVER OTTER			27.60
		*9 *9 0	1.80	
		0 *3	29.40	
R046	RUBBER BOA			27.80
		*3 *3 *10	1.60	
		*3	29.40	
A003	LONG-TOED SALAMANDER			28.10
		*3 *3 *7 *3	1.60	
		*3 *3	29.70	
A040	RED-LEGGED FROG			28.20
		*7 *7 *7 *3 *3 *3 *3 *7 *10	61.60	
		*10 *7 *3 *7 *3	89.80	
B809	INDIGO BUNTING			28.20
		0 0 0 *3 *3 *3 *3	1.20	
		*3 0 *3	29.40	
B141	MOUNTAIN QUAIL			28.80
		*8 *8 *5 *6 *5 *8 0 *3	56.90	
		*3 *4 *5 *5	85.70	
B227	CASPIAN TERN			28.80
		*3 *3 *10	1.60	
		*10 *3	30.40	
A043	FOOTHILL YELLOW-LEGGED FROG			29.10
		*3 *3 *3 0 0 *3 0 *3	30.00	
		*3 0 *3 *3	59.10	
M042	WESTERN MASTIFF BAT			29.30
		*3 *3 *3 0 0 0 0 0 0 0 *7	30.10	
		*7 0 0 0 0 *7 0	59.40	
B273	SHORT-EARED OWL			29.40
		0 0 0 *10 *10 0	2.00	
		0 *10 *10 0 0 *3	31.40	
A046	BULLFROG			29.80
		*7 *7 *7 *9 *7 *7 *7 *7 *9 *7	67.90	
		*7 *9 *7 *4 *7 *4	97.70	
M146	COYOTE			32.40
		*10 *9 *6 *9 *7 *6 *10 *5 0 *5 0	74.60	
		0 *5 0 *5 *8 *6 *6	107.00	
B467	YELLOW-BREASTED CHAT			35.40
		*10 *10	2.00	
		*4	37.40	
M075	GOLDEN-MANTLED GROUND SQUIRREL			35.40
		*5 *5 *3 *7 0	2.00	
		0 *8 *4	37.40	
B233	FORSTER'S TERN			36.60
		*4 *4 *0 *0	0.80	
		*0 *0 *4	37.40	

# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

## WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
R040	SOUTHERN ALLIGATOR LIZARD	79.30	119.00	39.70
A032	WESTERN TOAD	49.30	89.50	40.20
B138	WILD TURKEY	86.70	127.00	40.30
M157	LONG-TAILED WEASEL	64.80	106.00	41.20
B140	CALIFORNIA QUAIL	87.90	136.00	48.10
B519	RED-WINGED BLACKBIRD	8.70	58.70	50.00
M029	WESTERN SMALL-FOOTED MYOTIS	50.90	101.00	50.10
B079	MALLARD	9.80	60.70	50.90
B484	CALIFORNIA TOWHEE	52.90	105.00	52.10
A039	PACIFIC CHORUS FROG	67.80	120.00	52.20
B126	GOLDEN EAGLE	75.20	128.00	52.80
M027	LONG-LEGGED MYOTIS	60.80	117.00	56.20
R071	NIGHT SNAKE	61.80	118.00	56.20
A012	ENSATINA	31.80	88.10	56.30
R053	STRIPED RACER	31.80	88.10	56.30
M006	ORNATE SHREW	32.50	89.50	57.00
M028	CALIFORNIA MYOTIS	59.70	117.00	57.30

# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

## WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Condition 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
B277	COMMON POORWILL	*10 *5 0 0 *7 0 *10	*10 0 *10 *10	32.20	90.00	57.80
A001	CALIFORNIA TIGER SALAMANDER	*3 *3 *3 *7	*10 *10	30.10	90.00	59.90
M003	VAGRANT SHREW	*3 *3 *10 *10 *3 *7 *10 *10	*7 *10 *7 *10	28.10	90.70	62.60
B520	TRICOLORED BLACKBIRD	*7 *7 0 *10 0	0 0 0 *8	2.40	67.60	65.20
B476	BLUE GROSBEAK	*10 *10 0	0 *8	2.00	67.60	65.60
M117	DEER MOUSE	*7 *7 *3 *7 *3 *3 *10 *7 *7 *7 *3	*3 *7 *7 *7 *7 *7 *7	52.10	119.00	66.90
B129	PEREGRINE FALCON	*9 *9 *9 *9 *9 *9 *5 *10 0 *10 *10	*10 *10 0 *10 *5 *9 *9	89.60	157.00	67.40
B483	SPOTTED TOWHEE	*9 *5 *4 *7 *7 *3 *10 *10	*10 0 *10 *4	58.20	126.00	67.80
B282	WHITE-THROATED SWIFT	*10 *10 *10 *7 *7 *10 *9 0 0 *5 *10	*10 *5 0 0 *9 *10 *9	96.70	167.00	70.30
M001	VIRGINIA OPOSSUM	*7 *7 *3 *10 *10 *3 *3 *3 *7 *7	*7 *7 *3 *4 *4 *10	51.70	127.00	75.30
M032	BIG BROWN BAT	*10 *10 *10 *10 *10 *10 *7 0 0 *10 *7	*7 *10 0 0 *7 *10 *10	100.00	179.00	79.00
B321	BLACK PHOEBE	*3 *3 *3 *9 *9 *3 *3 *4 0 *10 0	0 *10 0 *6 *3 *3 *10	39.20	119.00	79.80
R058	COMMON KINGSNAKE	*7 *7 *7 *10 *10 *3 *10 *7 *7 *3	*3 *7 *7 *10 *7 *10	65.70	149.00	83.30
R076	WESTERN RATTLESNAKE	*10 *10 *10 *10 *3 *10 *7 *3 *3 *3	*3 *3 *3 *7 *10 *10 *10	94.90	179.00	84.10
A014	CALIFORNIA SLENDER SALAMANDER	*7 *7 *7 *10 *10 *3 *3 *3	*3 *3 *3 *7 *10	63.60	148.00	84.40
R057	GOPHER SNAKE	*10 *10 *3 *10 *7 *7 *10 *3 *3	*3 *3 *10 *10 *7 *10	64.20	149.00	84.80
R061	COMMON GARTER SNAKE	*7 *7 *7 *10 *10 *3 *10 *10 *10	*10 *10 *10 *7 *10	64.00	150.00	86.00

# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

## WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name	Condition 1 Habitat Suitability Values	Condition 2 Habitat Suitability Values	Conditon 1 Sum of Weighted Values	Condition 2 Sum of Weighted Values	Difference
R048	RINGNECK SNAKE	*10 *3 *7 *3 *10 *3 *3 *3	*3 *3 *3 *7 *7 *7	31.80	118.00	86.20
R063	WESTERN AQUATIC GARTER SNAKE	*5 *5 *5 *10 *10 *5 *5 *3 *10	*10 *3 *5 *5 *10	51.50	138.00	86.50
B367	CANYON WREN	*7 *7 *7 *10 *10 *7 *10	*10 *7 *7 *10	62.40	149.00	86.60
M025	LONG-EARED MYOTIS	*7 *7 *7 *10 *10 *7 0 0 *0	*0 0 0 *7 *10	61.40	148.00	86.60
B110	OSPREY	0 0 0 *10 *10 0 0 0 0 0	0 0 0 0 0 *10	2.00	89.00	87.00
B293	BELTED KINGFISHER	*10 *10 0 *0	*0 0 *10	2.00	89.00	87.00
B461	COMMON YELLOWTHROAT	*10 *10 *9 *10	*10 *9 *10	3.90	90.90	87.00
B463	WILSON'S WARBLER	0 0 0 *10 *10 0 0 0	0 0 0 *10	2.00	89.00	87.00
M158	AMERICAN MINK	*10 *10 *10	*10 *10	3.00	90.00	87.00
R079	GIANT GARTER SNAKE	*10 *10 *3 *10	*10 *3 *10	3.30	90.30	87.00
B342	BANK SWALLOW	*9 *9 0 *10 0 0 *7	*7 0 0 *10 0 *10	3.50	90.70	87.20
R051	RACER	*7 *7 *7 *3 *3 *10 *7	*7 *10 *7 *7 *7	31.30	119.00	87.70
B170	SPOTTED SANDPIPER	0	0 *10	0.00	89.00	89.00
B276	COMMON NIGHTHAWK	*5 0 0 0 0 0 0 0 *9 *10	*10 *9 0 0 0 *8 *5	16.20	111.00	94.80
R029	COAST HORNED LIZARD	*7 *3 *3 *3	*3 *10 *7 *7	21.00	118.00	97.00
B341	NORTHERN ROUGH-WINGED SWALLOW	*10 *9 *7 *9 *7 *7 *3 0 0 *10 *7	*7 *10 0 0 *3 *10 *10	81.90	179.00	97.10
B131	PRAIRIE FALCON	*9 *7 *7 *7 *7 *7 *5 *10 0 0 0	0 0 0 *10 *5 *10 *9	68.40	167.00	98.60

## CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

**WEIGHTED HABITAT VALUE COMPARISON REPORT**

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name		Difference
Condition 1 Habitat Suitability Values		Condition 1 Sum of Weighted Values	
Condition 2 Habitat Suitability Values		Condition 2 Sum of Weighted Values	
R022	WESTERN FENCE LIZARD		99.30
*10	*10 *7 *10 *7 *3 *7 *3 *3	78.70	
*3	*3 *7 *10 *10	178.00	
B108	TURKEY VULTURE		100.10
*10	*9 *7 *9 *7 *7 *10 *5 *9	79.90	
*9	*5 *10 *10 *10 *10	180.00	
R036	WESTERN SKINK		101.60
*10	*10 *7 *10 *7 *3 *7 *3	76.40	
*3	*7 *10 *10	178.00	
R062	WESTERN TERRESTRIAL GARTER SNA		102.80
*10	*10 *7 *10 *8 *3 *7 *10	77.20	
*10	*7 *7 *10 *10	180.00	
B158	KILLDEER		104.70
*3	*10 *10	14.30	
*10	*10 0 0 *3 *10	119.00	
M018	BROAD-FOOTED MOLE		109.00
*3	*10 *7 *10	9.00	
*10	*7 *7	118.00	
M142	HOUSE MOUSE		110.00
*3	*3 *3 *3 *3 *3 *10 *7 *10	39.00	
*10	*7 *10 *7 *10 *7	149.00	
M141	NORWAY RAT		110.20
*3	*3 *3 *7 *7 *10	37.80	
*10	*10 *7	148.00	
B269	BURROWING OWL		111.00
*3	*7 *10 *10	9.00	
*10	*10 *10 *3 *10 *3	120.00	
B354	COMMON RAVEN		114.30
*10	*7 *3 *3 *3 *3 *9 0 0 *9	52.70	
*9	0 0 *9 *10 *9	167.00	
B512	DARK-EYED JUNCO		117.30
*10	*7 *4 *7 *4 *4 *3 *7	60.70	
*7	*4 *10 *10	178.00	
B275	LESSER NIGHTHAWK		125.90
*5	0 0 0 0 0 0 0 *10	10.10	
*10	0 0 *8 *8	136.00	
B262	BARN OWL		133.30
*10	*7 *7 *7 *7 0 0 *10 *0	44.70	
*0	*10 0 0 *9 *10 *10	178.00	
B343	CLIFF SWALLOW		137.00
*10	*5 *0 *10 *10 *7 *8 *8 *10	43.00	
*10	*8 *8 *7 *10 *10	180.00	
M140	BLACK RAT		141.00
*3	*3 *3 *3 *3 *10	37.00	
*10	*10 *10	178.00	
B323	SAY'S PHOEBE		141.80
*3	0 *9	7.20	
*9	0 *3 *10 *7	149.00	



# CALIFORNIA WILDLIFE HABITAT RELATIONSHIPS SYSTEM

9/ 4/2003

Supported by  
**CALIFORNIA INTERAGENCY WILDLIFE TASK GROUP**  
 and maintained by the  
**CALIFORNIA DEPARTMENT OF FISH AND GAME**  
 Database Version: 8.0

## WEIGHTED HABITAT VALUE COMPARISON REPORT

The results of this report are meant to indicate trends only. The numerical calculations are not intended to represent any generally accepted method of habitat evaluation (e.g. HEP). Predictions should be validated with field surveys by a professional wildlife biologist.

ID	Species Name		Difference
Condition 1 Habitat Suitability Values		Condition 1 Sum of Weighted Values	
Condition 2 Habitat Suitability Values		Condition 2 Sum of Weighted Values	

**Total Number of Species Affected: 356**

How the seral stage values are calculated:

Each preference value is translated from the letter codes H, M, L and blank to numeric codes 1, 0.66, 0.33 and 0 respectively. The preference values for reproduction, feeding and cover are averaged using the method you selected during the query process (geometric or arithmetic). For display purposes the resulting mean is multiplied by 10 to produce a value between 1 and 10 as the overall rating for the habitat/seral stage combination. When a stage is not rated for a species, it will not be displayed on this report. As a result, the number of stage ratings may not equal the number of stages selected in the query process. An asterisk denotes a reproductive value is included in the habitat/seral stage rating. See the CWHR documentation for further information.